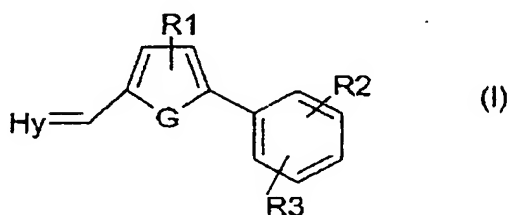


## CLAIMS

1. Use of an effective amount of at least one heterocyclic compound of formula (I) or of one of its salts,



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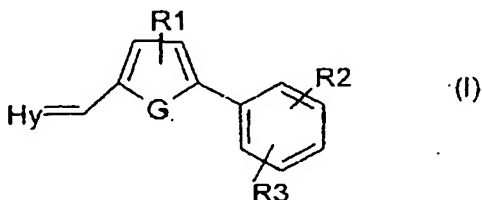
in which:

- Hy represents a heterocycle with 4, 5, 6 or 7 atoms optionally comprising at least one carbonyl functional group and/or one thiocarbonyl functional group, the said heterocycle optionally being substituted by at least one substituent chosen from a halogen, OR, SR, NRR', COR, CSR, NRCONR'R'', C(=NR)R', C(=NR)NR'R'', NRC(=NR')NR''R''', OCOR, COSR, SCOR, CSNRR', NRCSR', NRCSNR'R'', COOR, CONRR', CF<sub>3</sub>, CN, NRCOR', SO<sub>2</sub>R', SO<sub>2</sub>NRR' or NRSO<sub>2</sub>R' groups, saturated or unsaturated and linear or branched C<sub>1</sub>-C<sub>20</sub> alkyl radicals or saturated or unsaturated rings of 4 to 7 atoms optionally comprising at least one heteroatom, it being possible for these rings to be separate or fused, it being possible for the alkyl radicals and the rings, in addition, to be substituted, where R, R', R'' and R''', which are identical or different, denote a hydrogen, a linear or branched C<sub>1</sub>-C<sub>20</sub> alkyl radical or an aryl radical which is optionally substituted;
- G represents O, S or NH;

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- $R_1$ ,  $R_2$  and  $R_3$  represent, independently of one another, a hydrogen, a halogen, an  $OR_0$ ,  $SR_0$ ,  $NR_0R_0'$ ,  $COR_0$ ,  $CSR_0$ ,  $NR_0CONR_0'R_0''$ ,  $C(=NR_0)R_0'$ ,  $C(=NR_0)NR_0'R_0''$ ,  $NR_0C(=NR_0')NR_0''R_0'''$ ,  $OCOR_0$ ,  $COSR_0$ ,  $SCOR_0$ ,  $CSNR_0R_0'$ ,  $NR_0CSR_0'$ ,  $NR_0CSNR_0'R_0''$ ,  $COOR_0$ ,  $CONR_0R_0'$ ,  $CF_3$ ,  $NO_2$ ,  $CN$ ,  $NR_0COR_0'$ ,  $SO_2R_0'$ ,  $SO_2NR_0R_0'$  or  $NR_0SO_2R_0'$  group, a saturated or unsaturated and linear or branched  $C_1$ - $C_{20}$  alkyl radical or at least one saturated or unsaturated ring of 4 to 7 atoms optionally comprising at least one heteroatom, it being possible for the rings to be separate or fused, it being possible for the alkyl radicals and the rings, in addition, to be substituted, where  $R_0$ ,  $R_0'$ ,  $R_0''$  and  $R_0'''$ , which are identical or different, denote a hydrogen, a linear or branched  $C_1$ - $C_{20}$  alkyl radical or an aryl radical which is optionally substituted;
- as agent for inducing and/or stimulating the growth of keratinous fibres, in particular human keratinous fibres, and/or slowing down their loss and/or increasing their density.

2. Cosmetic use of at least one heterocyclic compound of formula (I) or of one of its salts,



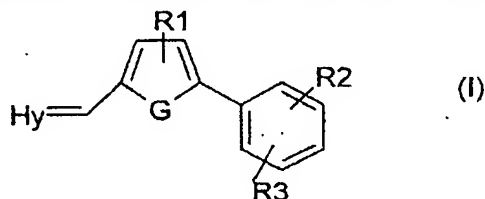
in which:

- Hy represents a heterocycle with 4, 5, 6 or 7 atoms optionally comprising at least one carbonyl functional group and/or one thiocarbonyl functional group, the said heterocycle optionally being substituted by at least one substituent chosen from a halogen, OR, SR, NRR', COR, CSR, NRCONR'R'', C(=NR)R', C(=NR)NR'R'', NRC(=NR')NR''R''', OCOR, COSR, SCOR, CSNRR', NRCSR', NRCSNR'R'', COOR, CONRR', CF<sub>3</sub>, CN, NRCOR', SO<sub>2</sub>R', SO<sub>2</sub>NRR' or NRSO<sub>2</sub>R' groups, saturated or unsaturated and linear or branched C<sub>1</sub>-C<sub>20</sub> alkyl radicals or saturated or unsaturated rings of 4 to 7 atoms optionally comprising at least one heteroatom, it being possible for these rings to be separate or fused, it being possible for the alkyl radicals and the rings, in addition, to be substituted, where R, R', R'' and R''', which are identical or different, denote a hydrogen, a linear or branched C<sub>1</sub>-C<sub>20</sub> alkyl radical or an aryl radical which is optionally substituted;
- G represents O, S or NH;
- R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> represent, independently of one another, a hydrogen, a halogen, an OR<sub>0</sub>, SR<sub>0</sub>, NR<sub>0</sub>R<sub>0</sub>', COR<sub>0</sub>, CSR<sub>0</sub>, NR<sub>0</sub>CONR<sub>0</sub>'R<sub>0</sub>'', C(=NR<sub>0</sub>)R<sub>0</sub>', C(=NR<sub>0</sub>)NR<sub>0</sub>'R<sub>0</sub>'', NR<sub>0</sub>C(=NR<sub>0</sub>')NR<sub>0</sub>''R<sub>0</sub>'', OCOR<sub>0</sub>, COSR<sub>0</sub>, SCOR<sub>0</sub>, CSNR<sub>0</sub>R<sub>0</sub>', NR<sub>0</sub>CSR<sub>0</sub>', NR<sub>0</sub>CSNR<sub>0</sub>'R<sub>0</sub>'', COOR<sub>0</sub>, CONR<sub>0</sub>R<sub>0</sub>', CF<sub>3</sub>, NO<sub>2</sub>, CN, NR<sub>0</sub>COR<sub>0</sub>', SO<sub>2</sub>R<sub>0</sub>', SO<sub>2</sub>NR<sub>0</sub>R<sub>0</sub>' or NR<sub>0</sub>SO<sub>2</sub>R<sub>0</sub>' group, a saturated or unsaturated and linear or branched C<sub>1</sub>-C<sub>20</sub> alkyl radical or at least one saturated or unsaturated ring

of 4 to 7 atoms optionally comprising at least one heteroatom, it being possible for the rings to be separate or fused, it being possible for the alkyl radicals and the rings, in addition, to be substituted, where  $R_0$ ,  $R_0'$ ,  $R_0''$  and  $R_0'''$ , which are identical or different, denote a hydrogen, a linear or branched  $C_1$ - $C_{20}$  alkyl radical or an aryl radical which is optionally substituted;

in a cosmetic composition for caring for and/or making up human keratinous fibres in order to induce and/or stimulate their growth, to slow down their loss and/or to increase their density and/or to treat androgenic alopecia.

3. Use of at least one heterocyclic compound of formula (I) or of one of its salts,



in which:

- Hy represents a heterocycle with 4, 5, 6 or 7 atoms optionally comprising at least one carbonyl functional group and/or one thiocarbonyl functional group, the said heterocycle optionally being substituted by at least one substituent chosen from a halogen, OR, SR,  $NRR'$ , COR, CSR,  $NRCONR'R''$ ,  $C(=NR)R'$ ,  $C(=NR)NR'R''$ ,  $NRC(=NR')NR''R'''$ , OCOR, COSR, SCOR, CSNRR', NRCSR', NRCSNR'R'', COOR, CONRR',  $CF_3$ , CN, NRCOR',  $SO_2R'$ ,  $SO_2NRR'$

or  $\text{NRSO}_2\text{R}'$  groups, saturated or unsaturated and linear or branched  $\text{C}_1\text{-C}_{20}$  alkyl radicals or saturated or unsaturated rings of 4 to 7 atoms optionally comprising at least one heteroatom, it being possible for these

5 rings to be separate or fused, it being possible for the alkyl radicals and the rings, in addition, to be substituted, where  $\text{R}$ ,  $\text{R}'$ ,  $\text{R}''$  and  $\text{R}'''$ , which are identical or different, denote a hydrogen, a linear or branched  $\text{C}_1\text{-C}_{20}$  alkyl radical or an aryl radical which

10 is optionally substituted;

- $\text{G}$  represents  $\text{O}$ ,  $\text{S}$  or  $\text{NH}$ ;
- $\text{R}_1$ ,  $\text{R}_2$  and  $\text{R}_3$  represent, independently of one another, a hydrogen, a halogen, an  $\text{OR}_0$ ,  $\text{SR}_0$ ,  $\text{NR}_0\text{R}_0'$ ,  $\text{COR}_0$ ,  $\text{CSR}_0$ ,  $\text{NR}_0\text{CONR}_0'\text{R}_0''$ ,  $\text{C}(=\text{NR}_0)\text{R}_0'$ ,  $\text{C}(=\text{NR}_0)\text{NR}_0'\text{R}_0''$ ,

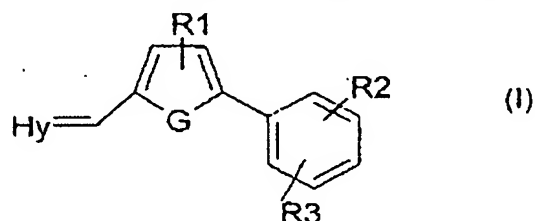
15  $\text{NR}_0\text{C}(=\text{NR}_0')\text{NR}_0''\text{R}_0'''$ ,  $\text{OCOR}_0$ ,  $\text{COSR}_0$ ,  $\text{SCOR}_0$ ,  $\text{CSNR}_0\text{R}_0'$ ,  $\text{NR}_0\text{CSR}_0'$ ,  $\text{NR}_0\text{CSNR}_0'\text{R}_0''$ ,  $\text{COOR}_0$ ,  $\text{CONR}_0\text{R}_0'$ ,  $\text{CF}_3$ ,  $\text{NO}_2$ ,  $\text{CN}$ ,  $\text{NR}_0\text{COR}_0'$ ,  $\text{SO}_2\text{R}_0'$ ,  $\text{SO}_2\text{NR}_0\text{R}_0'$  or  $\text{NR}_0\text{SO}_2\text{R}_0'$  group, a saturated or unsaturated and linear or branched  $\text{C}_1\text{-C}_{20}$  alkyl radical or at least one saturated or unsaturated ring

20 of 4 to 7 atoms optionally comprising at least one heteroatom, it being possible for the rings to be separate or fused, it being possible for the alkyl radicals and the rings, in addition, to be substituted, where  $\text{R}_0$ ,  $\text{R}_0'$ ,  $\text{R}_0''$  and  $\text{R}_0'''$ , which are identical or

25 different, denote a hydrogen, a linear or branched  $\text{C}_1\text{-C}_{20}$  alkyl radical or an aryl radical which is optionally substituted;

in the preparation of a composition for caring for or treating human keratinous fibres intended to induce and/or stimulate the growth of the fibres and/or to slow down their loss and/or to increase their density and/or to treat androgenic alopecia.

4. Use of at least one heterocyclic compound of formula (I) or of one of its salts,



in which:

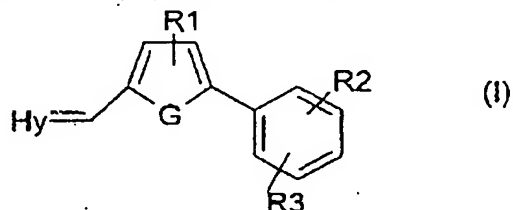
- 10 - Hy represents a heterocycle with 4, 5, 6 or 7 atoms optionally comprising at least one carbonyl functional group and/or one thiocarbonyl functional group, the said heterocycle optionally being substituted by at least one substituent chosen from a halogen, OR, SR, NRR', COR, CSR, NRCONR'R'', C(=NR)R', C(=NR)NR'R'', NRC(=NR')NR''R''', OCOR, COSR, SCOR, CSNRR', NRCSR', NRCSNR'R'', COOR, CONRR', CF<sub>3</sub>, CN, NRCOR', SO<sub>2</sub>R', SO<sub>2</sub>NRR' or NRSO<sub>2</sub>R' groups, saturated or unsaturated and linear or branched C<sub>1</sub>-C<sub>20</sub> alkyl radicals or saturated or
- 20 unsaturated rings of 4 to 7 atoms optionally comprising at least one heteroatom, it being possible for these rings to be separate or fused, it being possible for the alkyl radicals and the rings, in addition, to be substituted, where R, R', R'' and R''', which are
- 25 identical or different, denote a hydrogen, a linear or

branched C<sub>1</sub>-C<sub>20</sub> alkyl radical or an aryl radical which is optionally substituted;

- G represents O, S or NH;

- R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> represent, independently of one another,  
 5 a hydrogen, a halogen, an OR<sub>0</sub>, SR<sub>0</sub>, NR<sub>0</sub>R<sub>0</sub>', COR<sub>0</sub>, CSR<sub>0</sub>,  
 NR<sub>0</sub>CONR<sub>0</sub>'R<sub>0</sub>", C(=NR<sub>0</sub>)R<sub>0</sub>', C(=NR<sub>0</sub>)NR<sub>0</sub>'R<sub>0</sub>",  
 NR<sub>0</sub>C(=NR<sub>0</sub>')NR<sub>0</sub>"R<sub>0</sub>", OCOR<sub>0</sub>, COSR<sub>0</sub>, SCOR<sub>0</sub>, CSNR<sub>0</sub>R<sub>0</sub>',  
 NR<sub>0</sub>CSR<sub>0</sub>', NR<sub>0</sub>CSNR<sub>0</sub>'R<sub>0</sub>", COOR<sub>0</sub>, CONR<sub>0</sub>R<sub>0</sub>', CF<sub>3</sub>, NO<sub>2</sub>, CN,  
 NR<sub>0</sub>COR<sub>0</sub>', SO<sub>2</sub>R<sub>0</sub>', SO<sub>2</sub>NR<sub>0</sub>R<sub>0</sub>' or NR<sub>0</sub>SO<sub>2</sub>R<sub>0</sub>' group, a saturated  
 10 or unsaturated and linear or branched C<sub>1</sub>-C<sub>20</sub> alkyl  
 radical or at least one saturated or unsaturated ring  
 of 4 to 7 atoms optionally comprising at least one  
 heteroatom, it being possible for the rings to be  
 separate or fused, it being possible for the alkyl  
 15 radicals and the rings, in addition, to be substituted,  
 where R<sub>0</sub>, R<sub>0</sub>', R<sub>0</sub>" and R<sub>0</sub>", which are identical or  
 different, denote a hydrogen, a linear or branched  
 C<sub>1</sub>-C<sub>20</sub> alkyl radical or an aryl radical which is  
 optionally substituted;  
 20 as inhibitor of 15-hydroxyprostaglandin dehydrogenase,  
 in particular human 15-hydroxyprostaglandin  
 dehydrogenase.

5. Use of at least one heterocyclic compound of formula (I) or of one of its salts,



in which:

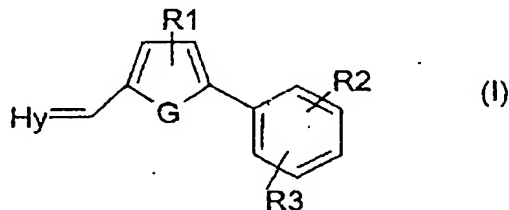
- Hy represents a heterocycle with 4, 5, 6 or 7 atoms optionally comprising at least one carbonyl functional group and/or one thiocarbonyl functional group, the said heterocycle optionally being substituted by at least one substituent chosen from a halogen, OR, SR, NRR', COR, CSR, NRCONR'R'', C(=NR)R', C(=NR)NR'R'', NRC(=NR')NR''R''', OCOR, COSR, SCOR, CSNRR', NRCSR', NRCSNR'R'', COOR, CONRR', CF<sub>3</sub>, CN, NRCOR', SO<sub>2</sub>R', SO<sub>2</sub>NRR' or NRSO<sub>2</sub>R' groups, saturated or unsaturated and linear or branched C<sub>1</sub>-C<sub>20</sub> alkyl radicals or saturated or unsaturated rings of 4 to 7 atoms optionally comprising at least one heteroatom, it being possible for these rings to be separate or fused, it being possible for the alkyl radicals and the rings, in addition, to be substituted, where R, R', R'' and R''', which are identical or different, denote a hydrogen, a linear or branched C<sub>1</sub>-C<sub>20</sub> alkyl radical or an aryl radical which is optionally substituted;
- G represents O, S or NH;
- R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> represent, independently of one another, a hydrogen, a halogen, an OR<sub>0</sub>, SR<sub>0</sub>, NR<sub>0</sub>R<sub>0</sub>', COR<sub>0</sub>, CSR<sub>0</sub>, NR<sub>0</sub>CONR<sub>0</sub>'R<sub>0</sub>'', C(=NR<sub>0</sub>)R<sub>0</sub>', C(=NR<sub>0</sub>)NR<sub>0</sub>'R<sub>0</sub>'', NR<sub>0</sub>C(=NR<sub>0</sub>')NR<sub>0</sub>''R<sub>0</sub>'', OCOR<sub>0</sub>, COSR<sub>0</sub>, SCOR<sub>0</sub>, CSNR<sub>0</sub>R<sub>0</sub>', NR<sub>0</sub>CSR<sub>0</sub>', NR<sub>0</sub>CSNR<sub>0</sub>'R<sub>0</sub>'', COOR<sub>0</sub>, CONR<sub>0</sub>R<sub>0</sub>', CF<sub>3</sub>, NO<sub>2</sub>, CN, NR<sub>0</sub>COR<sub>0</sub>', SO<sub>2</sub>R<sub>0</sub>', SO<sub>2</sub>NR<sub>0</sub>R<sub>0</sub>' or NR<sub>0</sub>SO<sub>2</sub>R<sub>0</sub>' group, a saturated or unsaturated and linear or branched C<sub>1</sub>-C<sub>20</sub> alkyl

radical or at least one saturated or unsaturated ring of 4 to 7 atoms optionally comprising at least one heteroatom, it being possible for the rings to be separate or fused, it being possible for the alkyl radicals and the rings, in addition, to be substituted, where  $R_0$ ,  $R_0'$ ,  $R_0''$  and  $R_0'''$ , which are identical or different, denote a hydrogen, a linear or branched  $C_1$ - $C_{20}$  alkyl radical or an aryl radical which is optionally substituted;

10 in the manufacture of a composition for caring for or treating human keratinous fibres intended to treat disorders related to 15-hydroxyprostaglandin dehydrogenase in man.

6. Use according to one of the preceding claims, characterized in that the keratinous fibres are the hair, eyebrows, eyelashes, beard hairs, moustache hairs and pubic hairs.

7. Use of an effective amount of at least one heterocyclic compound of formula (I) or of one of its salts,



in which:

- Hy represents a heterocycle with 4, 5, 6 or 7 atoms optionally comprising at least one carbonyl functional group and/or one thiocarbonyl functional group, the

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said heterocycle optionally being substituted by at least one substituent chosen from a halogen, OR, SR, NRR', COR, CSR, NRCONR'R'', C(=NR)R', C(=NR)NR'R'', NRC(=NR')NR''R''', OCOR, COSR, SCOR, CSNRR', NRCSR',

5 NRCSNR'R'', COOR, CONRR', CF<sub>3</sub>, CN, NRCOR', SO<sub>2</sub>R', SO<sub>2</sub>NRR' or NRSO<sub>2</sub>R' groups, saturated or unsaturated and linear or branched C<sub>1</sub>-C<sub>20</sub> alkyl radicals or saturated or unsaturated rings of 4 to 7 atoms optionally comprising at least one heteroatom, it being possible for these

10 rings to be separate or fused, it being possible for the alkyl radicals and the rings, in addition, to be substituted, where R, R', R'' and R''', which are identical or different, denote a hydrogen, a linear or branched C<sub>1</sub>-C<sub>20</sub> alkyl radical or an aryl radical which

15 is optionally substituted;

- G represents O, S or NH;
- R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> represent, independently of one another, a hydrogen, a halogen, an OR<sub>0</sub>, SR<sub>0</sub>, NR<sub>0</sub>R<sub>0</sub>', COR<sub>0</sub>, CSR<sub>0</sub>, NR<sub>0</sub>CONR<sub>0</sub>'R<sub>0</sub>'', C(=NR<sub>0</sub>)R<sub>0</sub>', C(=NR<sub>0</sub>)NR<sub>0</sub>'R<sub>0</sub>'',

20 NR<sub>0</sub>C(=NR<sub>0</sub>')NR<sub>0</sub>'R<sub>0</sub>'', OCOR<sub>0</sub>, COSR<sub>0</sub>, SCOR<sub>0</sub>, CSNR<sub>0</sub>R<sub>0</sub>', NR<sub>0</sub>CSR<sub>0</sub>', NR<sub>0</sub>CSNR<sub>0</sub>'R<sub>0</sub>'', COOR<sub>0</sub>, CONR<sub>0</sub>R<sub>0</sub>', CF<sub>3</sub>, NO<sub>2</sub>, CN, NR<sub>0</sub>COR<sub>0</sub>', SO<sub>2</sub>R<sub>0</sub>', SO<sub>2</sub>NR<sub>0</sub>R<sub>0</sub>' or NR<sub>0</sub>SO<sub>2</sub>R<sub>0</sub>' group, a saturated or unsaturated and linear or branched C<sub>1</sub>-C<sub>20</sub> alkyl radical or at least one saturated or unsaturated ring

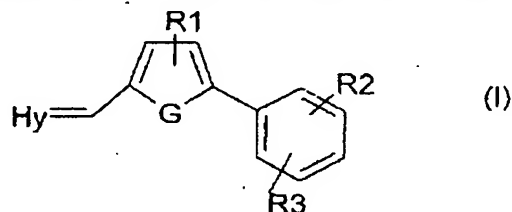
25 of 4 to 7 atoms optionally comprising at least one heteroatom, it being possible for the rings to be separate or fused, it being possible for the alkyl

radicals and the rings, in addition, to be substituted, where  $R_0$ ,  $R_0'$ ,  $R_0''$  and  $R_0'''$ , which are identical or different, denote a hydrogen, a linear or branched  $C_1$ - $C_{20}$  alkyl radical or an aryl radical which is

5 optionally substituted;

in a cosmetic composition for human hair care in order to reduce hair loss and/or to increase hair density and/or to treat androchronogenetic alopecia and/or to treat alopecia of natural origin.

10 8. Use of at least one heterocyclic compound of formula (I) or of one of its salts,



in which:

- Hy represents a heterocycle with 4, 5, 6 or 7 atoms optionally comprising at least one carbonyl functional group and/or one thiocarbonyl functional group, the said heterocycle optionally being substituted by at least one substituent chosen from a halogen, OR, SR, NRR', COR, CSR, NRCONR'R'', C(=NR)R', C(=NR)NR'R'', NRC(=NR')NR''R''', OCOR, COSR, SCOR, CSNRR', NRCSR', NRCSNR'R'', COOR, CONRR', CF<sub>3</sub>, CN, NRCOR', SO<sub>2</sub>R', SO<sub>2</sub>NRR' or NRSO<sub>2</sub>R' groups, saturated or unsaturated and linear or branched  $C_1$ - $C_{20}$  alkyl radicals or saturated or unsaturated rings of 4 to 7 atoms optionally comprising at least one heteroatom, it being possible for these

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rings to be separate or fused, it being possible for the alkyl radicals and the rings, in addition, to be substituted, where R, R', R'' and R''', which are identical or different, denote a hydrogen, a linear or branched C<sub>1</sub>-C<sub>20</sub> alkyl radical or an aryl radical which is optionally substituted;

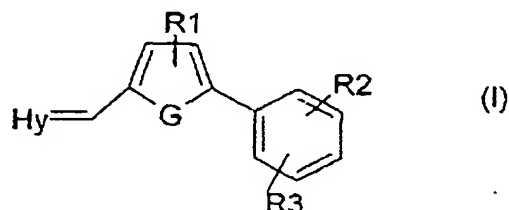
- G represents O, S or NH;

- R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> represent, independently of one another, a hydrogen, a halogen, an OR<sub>0</sub>, SR<sub>0</sub>, NR<sub>0</sub>R<sub>0</sub>', COR<sub>0</sub>, CSR<sub>0</sub>, NR<sub>0</sub>CONR<sub>0</sub>'R<sub>0</sub>'', C(=NR<sub>0</sub>)R<sub>0</sub>', C(=NR<sub>0</sub>)NR<sub>0</sub>'R<sub>0</sub>'', NR<sub>0</sub>C(=NR<sub>0</sub>')NR<sub>0</sub>'R<sub>0</sub>'', OCOR<sub>0</sub>, COSR<sub>0</sub>, SCOR<sub>0</sub>, CSNR<sub>0</sub>R<sub>0</sub>', NR<sub>0</sub>CSR<sub>0</sub>', NR<sub>0</sub>CSNR<sub>0</sub>'R<sub>0</sub>'', COOR<sub>0</sub>, CONR<sub>0</sub>R<sub>0</sub>', CF<sub>3</sub>, NO<sub>2</sub>, CN, NR<sub>0</sub>COR<sub>0</sub>', SO<sub>2</sub>R<sub>0</sub>', SO<sub>2</sub>NR<sub>0</sub>R<sub>0</sub>' or NR<sub>0</sub>SO<sub>2</sub>R<sub>0</sub>' group, a saturated or unsaturated and linear or branched C<sub>1</sub>-C<sub>20</sub> alkyl radical or at least one saturated or unsaturated ring of 4 to 7 atoms optionally comprising at least one heteroatom, it being possible for the rings to be separate or fused, it being possible for the alkyl radicals and the rings, in addition, to be substituted, where R<sub>0</sub>, R<sub>0</sub>', R<sub>0</sub>' and R<sub>0</sub>'', which are identical or different, denote a hydrogen, a linear or branched C<sub>1</sub>-C<sub>20</sub> alkyl radical or an aryl radical which is optionally substituted;

in the preparation of a human hair composition intended to induce and/or stimulate the growth of the hair and/or to slow down hair loss and/or to increase hair

density and/or to treat androgenic alopecia and/or to treat alopecia of natural origin.

9. Use of at least one heterocyclic compound of formula (I) or of one of its salts,



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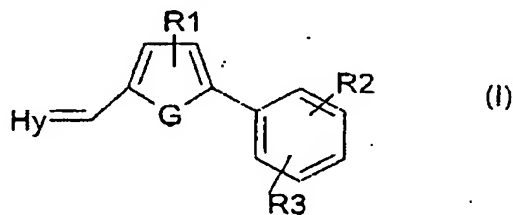
in which:

- Hy represents a heterocycle with 4, 5, 6 or 7 atoms optionally comprising at least one carbonyl functional group and/or one thiocarbonyl functional group, the
- 10 said heterocycle optionally being substituted by at least one substituent chosen from a halogen, OR, SR, NRR', COR, CSR, NRCONR'R'', C(=NR)R', C(=NR)NR'R'', NRC(=NR')NR''R''', OCOR, COSR, SCOR, CSNRR', NRCSR', NRCSNR'R'', COOR, CONRR', CF<sub>3</sub>, CN, NRCOR', SO<sub>2</sub>R', SO<sub>2</sub>NRR'
- 15 or NRSO<sub>2</sub>R' groups, saturated or unsaturated and linear or branched C<sub>1</sub>-C<sub>20</sub> alkyl radicals or saturated or unsaturated rings of 4 to 7 atoms optionally comprising at least one heteroatom, it being possible for these rings to be separate or fused, it being possible for
- 20 the alkyl radicals and the rings, in addition, to be substituted, where R, R', R'' and R''', which are identical or different, denote a hydrogen, a linear or branched C<sub>1</sub>-C<sub>20</sub> alkyl radical or an aryl radical which is optionally substituted;
- 25 - G represents O, S or NH;

-  $R_1$ ,  $R_2$  and  $R_3$  represent, independently of one another, a hydrogen, a halogen, an  $OR_0$ ,  $SR_0$ ,  $NR_0R_0'$ ,  $COR_0$ ,  $CSR_0$ ,  $NR_0CONR_0'R_0''$ ,  $C(=NR_0)R_0'$ ,  $C(=NR_0)NR_0'R_0''$ ,  $NR_0C(=NR_0')NR_0''R_0'''$ ,  $OCOR_0$ ,  $COSR_0$ ,  $SCOR_0$ ,  $CSNR_0R_0'$ ,  $NR_0CSR_0'$ ,  $NR_0CSNR_0'R_0''$ ,  $COOR_0$ ,  $CONR_0R_0'$ ,  $CF_3$ ,  $NO_2$ ,  $CN$ ,  $NR_0COR_0'$ ,  $SO_2R_0'$ ,  $SO_2NR_0R_0'$  or  $NR_0SO_2R_0'$  group, a saturated or unsaturated and linear or branched  $C_1$ - $C_{20}$  alkyl radical or at least one saturated or unsaturated ring of 4 to 7 atoms optionally comprising at least one heteroatom, it being possible for the rings to be separate or fused, it being possible for the alkyl radicals and the rings, in addition, to be substituted, where  $R_0$ ,  $R_0'$ ,  $R_0''$  and  $R_0'''$ , which are identical or different, denote a hydrogen, a linear or branched  $C_1$ - $C_{20}$  alkyl radical or an aryl radical which is optionally substituted;

in a cosmetic composition for caring for and/or for making up human eyelashes for inducing and/or stimulating the growth of the eyelashes and/or increasing their density.

10. Use of at least one heterocyclic compound of formula (I) or of one of its salts,



in which:

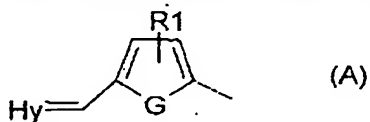
- Hy represents a heterocycle with 4, 5, 6 or 7 atoms optionally comprising at least one carbonyl functional group and/or one thiocarbonyl functional group, the said heterocycle optionally being substituted by at least one substituent chosen from a halogen, OR, SR, NRR', COR, CSR, NRCONR'R'', C(=NR)R', C(=NR)NR'R'', NRC(=NR')NR''R''', OCOR, COSR, SCOR, CSNRR', NRCSR', NRCSNR'R'', COOR, CONRR', CF<sub>3</sub>, CN, NRCOR', SO<sub>2</sub>R', SO<sub>2</sub>NRR' or NRSO<sub>2</sub>R' groups, saturated or unsaturated and linear or branched C<sub>1</sub>-C<sub>20</sub> alkyl radicals or saturated or unsaturated rings of 4 to 7 atoms optionally comprising at least one heteroatom, it being possible for these rings to be separate or fused, it being possible for the alkyl radicals and the rings, in addition, to be substituted, where R, R', R'' and R''', which are identical or different, denote a hydrogen, a linear or branched C<sub>1</sub>-C<sub>20</sub> alkyl radical or an aryl radical which is optionally substituted;
- G represents O, S or NH;
- R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> represent, independently of one another, a hydrogen, a halogen, an OR<sub>0</sub>, SR<sub>0</sub>, NR<sub>0</sub>R<sub>0</sub>', COR<sub>0</sub>, CSR<sub>0</sub>, NR<sub>0</sub>CONR<sub>0</sub>'R<sub>0</sub>'', C(=NR<sub>0</sub>)R<sub>0</sub>', C(=NR<sub>0</sub>)NR<sub>0</sub>'R<sub>0</sub>'', NR<sub>0</sub>C(=NR<sub>0</sub>')NR<sub>0</sub>''R<sub>0</sub>'', OCOR<sub>0</sub>, COSR<sub>0</sub>, SCOR<sub>0</sub>, CSNR<sub>0</sub>R<sub>0</sub>', NR<sub>0</sub>CSR<sub>0</sub>', NR<sub>0</sub>CSNR<sub>0</sub>'R<sub>0</sub>'', COOR<sub>0</sub>, CONR<sub>0</sub>R<sub>0</sub>', CF<sub>3</sub>, NO<sub>2</sub>, CN, NR<sub>0</sub>COR<sub>0</sub>', SO<sub>2</sub>R<sub>0</sub>', SO<sub>2</sub>NR<sub>0</sub>R<sub>0</sub>' or NR<sub>0</sub>SO<sub>2</sub>R<sub>0</sub>' group, a saturated or unsaturated and linear or branched C<sub>1</sub>-C<sub>20</sub> alkyl radical or at least one saturated or unsaturated ring

of 4 to 7 atoms optionally comprising at least one heteroatom, it being possible for the rings to be separate or fused, it being possible for the alkyl radicals and the rings, in addition, to be substituted, where  $R_0$ ,  $R_0'$ ,  $R_0''$  and  $R_0'''$ , which are identical or different, denote a hydrogen, a linear or branched  $C_1$ - $C_{20}$  alkyl radical or an aryl radical which is optionally substituted;

in the preparation of a composition for caring for and/or treating human eyelashes intended to induce and/or stimulate the growth of the eyelashes and/or to increase their density.

11. Use according to one of the preceding claims, characterized in that the heteroatom or heteroatoms of Hy are chosen from O, N or S.

12. Use according to one of the preceding claims, characterized in that  $R_2$  and  $R_3$  are in the para- or meta-position with regard to the following part A:



13. Use according to one of the preceding claims, characterized in that  $R_1$  represents a hydrogen atom.

14. Use according to one of the preceding claims, characterized in that at least one of the  $R_2$  and  $R_3$  groups represents  $CF_3$ ,  $OR_0$  or  $COOR_0$  with  $R_0$  being H or

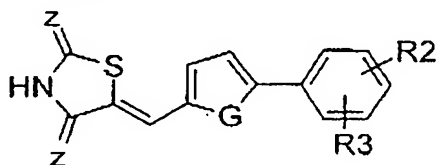
a saturated or unsaturated, linear or branched,  $C_1-C_{20}$ , better still  $C_1-C_{10}$ , alkyl radical.

15. Use according to the preceding claim, characterized in that  $COOR_0$  represents  $COOH$  or  $COOCH_2-$   
5  $CH_3$ .

16. Use according to one of the preceding claims, characterized in that  $R_2$  represents  $COOH$  and  $R_3$  represents  $H$ ;  $R_2$  represents  $COOCH_2-CH_3$  and  $R_3$  represents  $H$ ; or  $R_2$  and  $R_3$  represent  $CF_3$  or  $OCH_3$ .

10 17. Use according to one of the preceding claims, characterized in that the compound of formula (I) comprises one or two carbonyl groups, the carbon of which groups forms part of the heterocycle.

18. Use according to one of the preceding  
15 claims, characterized in that the heterocyclic compound exhibits the following formula (IIIa) or the corresponding salt form:



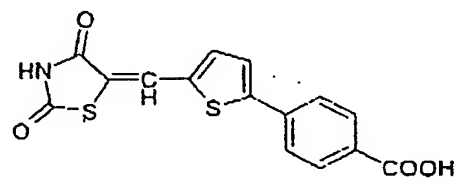
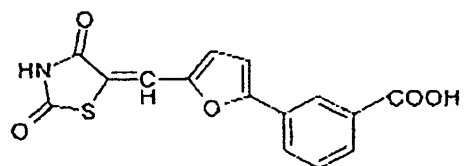
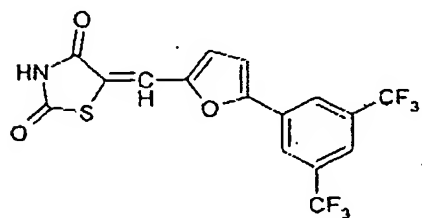
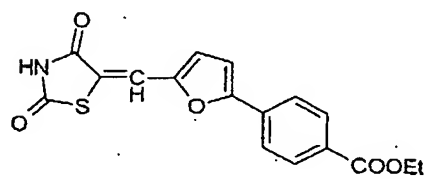
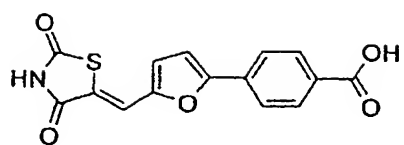
in which Z, Z' and G independently represent O or S;  
20 and at least one of the  $R_2$  and  $R_3$  groups represents  $CF_3$ ,  $OR_0$  or  $COOR_0$  with  $R_0$  being  $H$  or a saturated or unsaturated, linear or branched,  $C_1-C_{20}$ , better still  $C_1-C_{10}$ , alkyl radical.

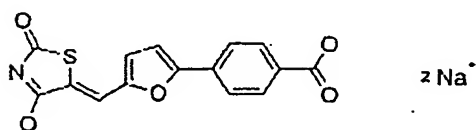
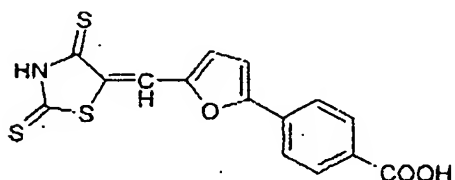
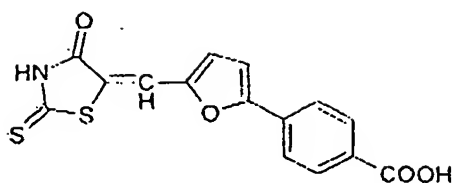
19. Use according to one of the preceding claims, characterized in that the compound of formula (I) comprises a thiazolidinedione ring.

20. Use according to Claim 18, characterized  
5 in that, when  $Z = Z' = G$ , at least one of the  $R_2$  and  $R_3$  groups represents  $CF_3$  or  $COOR_0$  with  $R_0$  being a saturated, linear or branched,  $C_1$ - $C_{10}$ , better still  $C_1$ - $C_5$ , alkyl radical; or, when  $Z = Z'$  and are different from  $G$ , at least one of the  $R_2$  and  $R_3$  groups represents  
10  $CF_3$  or  $COOR_0$  with  $R_0$  being  $H$ .

21. Use according to one of the preceding claims, characterized in that the salt of the compound of formula (I) is a salt chosen from sodium salts, potassium salts, salts of zinc ( $Zn^{2+}$ ), of calcium ( $Ca^{2+}$ ),  
15 of copper ( $Cu^{2+}$ ), of iron ( $Fe^{2+}$ ), of strontium ( $Sr^{2+}$ ), of magnesium ( $Mg^{2+}$ ), of manganese ( $Mn^{2+}$ ) or of ammonium, triethanolamine, monoethanolamine, diethanolamine, hexadecylamine,  $N,N,N',N'$ -tetrakis(2-hydroxypropyl)-ethylenediamine or tris(hydroxymethyl)aminomethane  
20 salts, or hydroxides, carbonates, halides, sulphates, phosphates or nitrates.

22. Use according to one of the preceding claims, characterized in that the compound is chosen from:



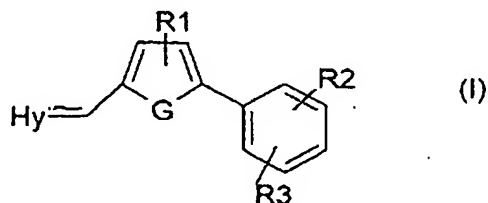


$2 \text{ Na}^+$

23. Use according to one of the preceding claims, characterized in that the compound of formula (I) or a mixture of compounds of formula (I) is used at a concentration ranging from  $10^{-3}$  to 10%, preferably from  $10^{-2}$  to 2%, with respect to the total weight of the composition.

24. Use according to one of Claims 2 to 23, characterized in that the composition is a composition for topical application.

25. Composition for caring for or making up keratinous fibres comprising a physiologically acceptable medium and an effective amount of at least [lacuna] heterocyclic compound of formula (I) or of one of its salts,



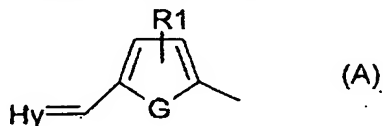
in which:

- Hy represents a heterocycle with 4, 5, 6 or 7 atoms optionally comprising at least one carbonyl functional group and/or one thiocarbonyl functional group, the said heterocycle optionally being substituted by at least one substituent chosen from a halogen, OR, SR, NRR', COR, CSR, NRCONR'R'', C(=NR)R', C(=NR)NR'R'', NRC(=NR')NR''R''', OCOR, COSR, SCOR, CSNRR', NRCSR', NRCSNR'R'', COOR, CONRR', CF<sub>3</sub>, CN, NRCOR', SO<sub>2</sub>R', SO<sub>2</sub>NRR' or NRSO<sub>2</sub>R' groups, saturated or unsaturated and linear or branched C<sub>1</sub>-C<sub>20</sub> alkyl radicals or saturated or unsaturated rings of 4 to 7 atoms optionally comprising at least one heteroatom, it being possible for these rings to be separate or fused, it being possible for the alkyl radicals and the rings, in addition, to be substituted, where R, R', R'' and R''', which are identical or different, denote a hydrogen, a linear or branched C<sub>1</sub>-C<sub>20</sub> alkyl radical or an aryl radical which is optionally substituted;
- G represents O, S or NH;
- R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> represent, independently of one another, a hydrogen, a halogen, an OR<sub>0</sub>, SR<sub>0</sub>, NR<sub>0</sub>R<sub>0</sub>', COR<sub>0</sub>, CSR<sub>0</sub>, NR<sub>0</sub>CONR<sub>0</sub>'R<sub>0</sub>'', C(=NR<sub>0</sub>)R<sub>0</sub>', C(=NR<sub>0</sub>)NR<sub>0</sub>'R<sub>0</sub>'', NR<sub>0</sub>C(=NR<sub>0</sub>')NR<sub>0</sub>''R<sub>0</sub>'', OCOR<sub>0</sub>, COSR<sub>0</sub>, SCOR<sub>0</sub>, CSNR<sub>0</sub>R<sub>0</sub>', NR<sub>0</sub>CSR<sub>0</sub>', NR<sub>0</sub>CSNR<sub>0</sub>'R<sub>0</sub>'', COOR<sub>0</sub>, CONR<sub>0</sub>R<sub>0</sub>', CF<sub>3</sub>, NO<sub>2</sub>, CN, NR<sub>0</sub>COR<sub>0</sub>', SO<sub>2</sub>R<sub>0</sub>', SO<sub>2</sub>NR<sub>0</sub>R<sub>0</sub>' or NR<sub>0</sub>SO<sub>2</sub>R<sub>0</sub>' group, a saturated or unsaturated and linear or branched C<sub>1</sub>-C<sub>20</sub> alkyl

radical or at least one saturated or unsaturated ring of 4 to 7 atoms optionally comprising at least one heteroatom, it being possible for the rings to be separate or fused, it being possible for the alkyl radicals and the rings, in addition, to be substituted, where  $R_0$ ,  $R_0'$ ,  $R_0''$  and  $R_0'''$ , which are identical or different, denote a hydrogen, a linear or branched  $C_1$ - $C_{20}$  alkyl radical or an aryl radical which is optionally substituted.

26. Composition according to Claim 25, characterized in that the heteroatom or heteroatoms of Hy are chosen from O, N or S.

27. Composition according to Claim 25 or 26, characterized in that  $R_2$  and  $R_3$  are in the para- or meta-position with regard to the following part A:



28. Composition according to one of Claims 25 to 27, characterized in that  $R_1$  represents a hydrogen atom.

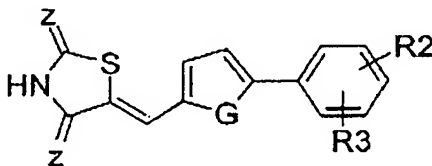
29. Composition according to one of Claims 25 to 28, characterized in that at least one of the  $R_2$  and  $R_3$  groups represents  $CF_3$ ,  $OR_0$  or  $COOR_0$  with  $R_0$  being H or a saturated or unsaturated, linear or branched,  $C_1$ - $C_{20}$ , better still  $C_1$ - $C_{10}$ , alkyl radical.

30. Composition according to one of Claims 25 to 29, characterized in that  $\text{COOR}_0$  represents  $\text{COOH}$  or  $\text{COOCH}_2\text{-CH}_3$ .

31. Composition according to one of  
 5 Claims 25 to 30, characterized in that  $\text{R}_2$  represents  $\text{COOH}$  and  $\text{R}_3$  represents  $\text{H}$ ;  $\text{R}_2$  represents  $\text{COOCH}_2\text{-CH}_3$  and  $\text{R}_3$  represents  $\text{H}$ ; or  $\text{R}_2$  and  $\text{R}_3$  represent  $\text{CF}_3$  or  $\text{OCH}_3$ .

32. Composition according to one of Claims 25 to 31, characterized in that the compound of  
 10 formula (I) comprises one or two carbonyl groups, the carbon of which groups forms part of the heterocycle.

33. Composition according to one of Claims 25 to 32, characterized in that the heterocyclic compound exhibits the following formula (IIIa) or the  
 15 form of a salt:



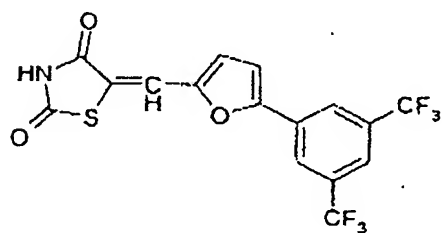
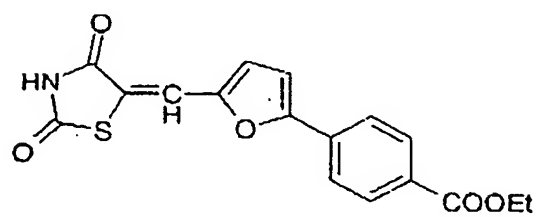
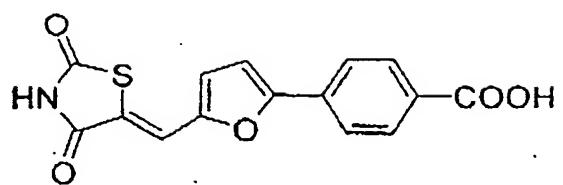
in which Z, Z' and G independently represent O or S;  
 and at least one of the  $\text{R}_2$  and  $\text{R}_3$  groups represent  $\text{CF}_3$ ,  
 $\text{OR}_0$  or  $\text{COOR}_0$  with  $\text{R}_0$  being H or a saturated or  
 20 unsaturated, linear or branched,  $\text{C}_1\text{-C}_{20}$ , better still  
 $\text{C}_1\text{-C}_{10}$ , alkyl radical.

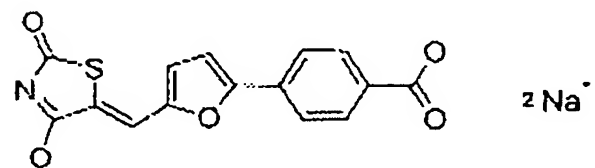
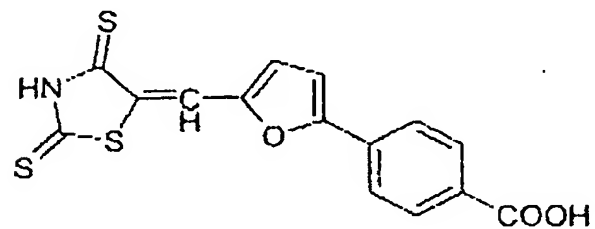
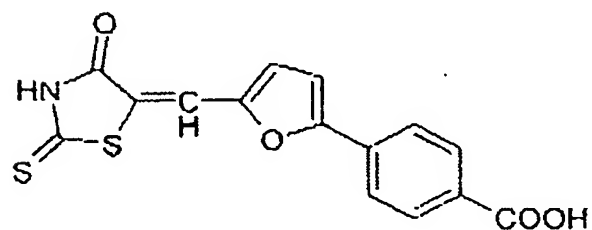
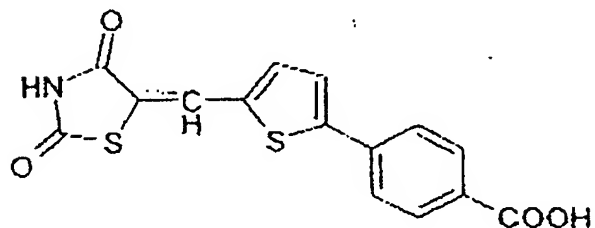
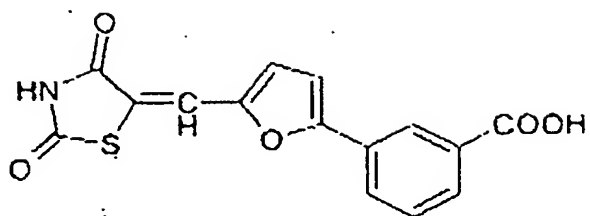
34. Composition according to one of Claims 25 to 33, characterized in that the compound of formula (I) comprises a 1,3-thiazolidine-2,4-dione  
 25 ring.

35. Composition according to Claim 34, characterized in that, when  $Z = Z' = G$ , at least one of the  $R_2$  and  $R_3$  groups represents  $CF_3$  or  $COOR_0$  with  $R_0$  being a saturated, linear or branched,  $C_1$ - $C_{10}$ , better still  $C_1$ - $C_5$ , alkyl radical; or, when  $Z = Z'$  and are different from  $G$ , at least one of the  $R_2$  and  $R_3$  groups represents  $CF_3$  or  $COOR_0$  with  $R_0$  being  $H$ .

36. Composition according to one of Claims 25 to 35, characterized in that the salt of the compound of formula (I) is a salt chosen from sodium salts, potassium salts, salts of zinc ( $Zn^{2+}$ ), of calcium ( $Ca^{2+}$ ), of copper ( $Cu^{2+}$ ), of iron ( $Fe^{2+}$ ), of strontium ( $Sr^{2+}$ ), of magnesium ( $Mg^{2+}$ ), of manganese ( $Mn^{2+}$ ) or of ammonium, triethanolamine, monoethanolamine, diethanolamine, hexadecylamine,  $N,N,N',N'$ -tetrakis(2-hydroxypropyl)ethylenediamine or tris(hydroxymethyl)-aminomethane salts, or hydroxides, carbonates, halides, sulphates, phosphates or nitrates.

37. Composition according to one of Claims 25 to 36, characterized in that the compound of formula (I) is chosen from the following compounds:



2 Na<sup>+</sup>

38. Composition according to one of Claims 25 to 37, characterized in that the compound of formula (I) is used at a concentration ranging from  $10^{-3}$  to 10%, preferably from  $10^{-2}$  to 2%, with respect to the total weight of the composition.

39. Composition according to one of Claims 25 to 38, characterized in that it is provided in the form of a cream or lotion for hair care, of a shampoo or conditioner, of a hair mascara or of a  
5 mascara for the eyelashes.

40. Composition according to one of Claims 25 to 39, characterized in that the composition is in the form of an aqueous, alcoholic or aqueous/alcoholic solution or suspension.

10 41. Composition according to one of Claims 25 to 40, characterized in that it comprises other ingredients chosen from solvents, thickeners or gelling agents for the aqueous phase or for the oily phase, colouring materials which are soluble in the  
15 medium of the composition, fillers or pigments, antioxidants, preservatives, fragrances, electrolytes, neutralizing agents, film-forming polymers, UV blocking agents, cosmetic and pharmaceutical active principles, other than the compounds of formula (I), or their  
20 mixtures.

42. Composition according to one of Claims 25 to 41, characterized in that it comprises at least [lacuna] additional active compound which promotes the regrowth and/or which limits the loss of  
25 keratinous fibres.

43. Composition according to one of Claims 25 to 42, characterized in that it comprises at

least one additional compound which promotes hair  
 regrowth and/or limits hair loss chosen from aminexil,  
 6-O-[(9Z,12Z)-octadeca-9,12-dienoyl]hexapyranose,  
 potassium channel agonists, lipoxygenase inhibitors,  
 5 bradykinin inhibitors, prostaglandins and their  
 derivatives, prostaglandin receptor agonists or  
 antagonists, nonprostanoid prostaglandin analogues,  
 vasodilators, antiandrogens, cyclosporins and their  
 analogues, antimicrobials, anti-inflammatories,  
 10 retinoids, benzalkonium chloride, benzethonium  
 chloride, phenol, oestradiol, chlorpheniramine maleate,  
 chlorophyllin derivatives, cholesterol, cysteine,  
 methionine, menthol, peppermint oil, calcium  
 pantothenate, panthenol, resorcinol, protein kinase C  
 15 activators, glycosidase inhibitors,  
 glycosaminoglycanase inhibitors, pyroglutamic acid  
 esters, hexosaccharidic acid or acylhexosaccharic acid,  
 aryl-substituted ethylenes, N-acylated amino acids,  
 flavonoids, ascomycin derivatives and analogues,  
 20 histamine antagonists, saponins, proteoglycanase  
 inhibitors, oestrogen agonists and antagonists,  
 pseudopterin, cytokines and growth factor promoters,  
 IL-1 or IL-6 inhibitors, IL-10 promoters, TNF  
 inhibitors, vitamins, benzophenones, hydantoin,  
 25 octopirox, retinoic acid, antipruritic agents, agents  
 for combating parasites, antifungals, nicotinic acid  
 esters, calcium antagonist agents, hormones,

triterpenes, anti-androgen agents, steroidal or nonsteroidal inhibitors of 5 $\alpha$ -reductases, FP receptor agonists, or their mixtures.

44. Composition according to Claim 43,  
5 characterized in that the additional compound is chosen from aminexil, FP receptor agonists and vasodilators.

45. Composition according to one of  
Claims 25 to 44, characterized in that it additionally  
comprises another active principle chosen from  
10 proteins, protein hydrolysates, amino acids, polyols, urea, allantoin, sugars and sugar derivatives, plant extracts, hydroxy acids, retinol or tocopherol derivatives, essential fatty acids, ceramides, essential oils, salicylic acid or its derivatives, such  
15 as 5-(n-octanoyl)salicylic acid, esters of hydroxy acids, and phospholipids.

46. Composition for caring for or making up  
keratinous fibres comprising, in a physiologically  
acceptable medium, in particular a cosmetic medium, at  
20 least one compound of formula (I) or one of its salts and at least one additional active principle which promotes the regrowth of human keratinous fibres and/or which limits their loss chosen from aminexil, FP receptor agonists and vasodilators.

25 47. Composition according to one of  
Claims 42 to 46, characterized in that the additional

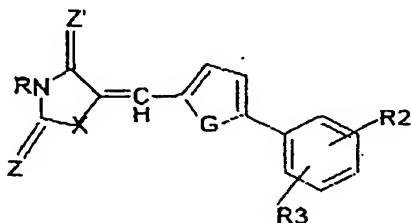
active principle is chosen from aminexil, minoxidil, latanoprost, butaprost and travoprost.

48. Process for the cosmetic treatment of keratinous fibres and/or of the skin from where the  
5 said fibres emerge, characterized in that it consists in applying, to the fibres and/or the skin, a cosmetic composition as defined in any one of Claims 25 to 47, in leaving this composition in contact with the fibres and/or the skin and optionally in rinsing.

10 49. Process for the cosmetic care of and/or for making up human eyelashes for the purpose of improving their condition and/or their appearance, characterized in that it consists in applying, to the eyelashes and/or eyelids, a mascara composition  
15 comprising at least one compound of formula (I) or one of its salts and in leaving this composition in contact with the eyelashes and/or eyelids.

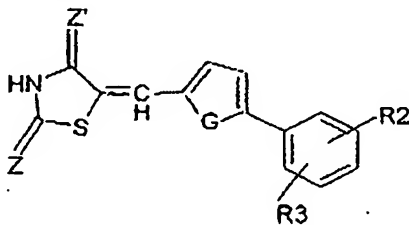
50. Process for the cosmetic care of human hair and/or the human scalp for the purpose of  
20 improving their condition and/or their appearance, characterized in that it consists in applying, to the hair and/or the scalp, a cosmetic composition comprising an effective amount of at least one compound of formula (I) or one of its salts, in leaving this  
25 composition in contact with the hair and/or the scalp and optionally in rinsing the hair and/or the scalp.

51. Heterocyclic compound of following formula (IV) or one of its salts:



in which Z, Z' and G independently represent O or S; X  
 5 represents O, NH or S; R represents hydrogen or a  
 saturated, linear or branched, C<sub>1</sub>-C<sub>10</sub> alkyl radical; and  
 at least one of the R<sub>2</sub> and R<sub>3</sub> groups represents a  
 hydrogen, CN, NO<sub>2</sub>, CF<sub>3</sub>, a phenyl, OR<sub>0</sub> or COOR<sub>0</sub> radical or  
 a saturated, linear or branched, C<sub>1</sub>-C<sub>20</sub>, better still  
 10 C<sub>1</sub>-C<sub>10</sub>, alkyl radical optionally substituted by OR<sub>0</sub> with  
 R<sub>0</sub> being H or a saturated, linear or branched, C<sub>1</sub>-C<sub>20</sub>,  
 better still C<sub>1</sub>-C<sub>10</sub>, alkyl radical, provided that, when  
 X = S and Z = Z' = G or Z ≠ Z', then R<sub>2</sub> and R<sub>3</sub> are other  
 than COOH.

15 52. Heterocyclic compound of following formula (V) or one of its salts:



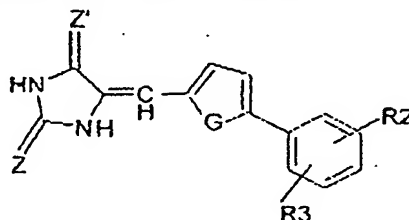
in which Z, Z' and G independently represent O or S;  
 and at least one of the R<sub>2</sub> and R<sub>3</sub> groups represents  
 20 phenyl, NO<sub>2</sub>, CF<sub>3</sub>, OR<sub>0</sub>, COOR<sub>0</sub> or a saturated, linear or  
 branched, C<sub>1</sub>-C<sub>20</sub>, better still C<sub>1</sub>-C<sub>10</sub>, alkyl radical

optionally substituted by  $OR_0$  with  $R_0$  being H or a saturated, linear or branched,  $C_1-C_{20}$ , better still  $C_1-C_{10}$ , alkyl radical, provided that, when  $Z = Z' = G$  or  $Z \neq Z'$ , then  $R_2$  and  $R_3$  are other than  $COOH$ .

5                    53. Compound according to Claim 51 or 52, characterized in that, when  $Z = Z' = G$ , at least one of the  $R_2$  and  $R_3$  groups represents  $CF_3$ ,  $OR_0$  or  $COOR_0$  with  $R_0$  being a saturated, linear or branched,  $C_1-C_{10}$ , better still  $C_1-C_5$ , alkyl radical; or, when  $Z = Z'$  and are  
10 different from G, at least one of the  $R_2$  and  $R_3$  groups represents  $CF_3$  or  $COOR_0$  with  $R_0$  being H.

54. Compound according to one of Claims 51 to 53, characterized in that it is the disodium salt of  
15 4-{5-[(2,4-disulpho-1,3-thiazolidin-5-ylidene)methyl]-2-furyl}benzoic acid.

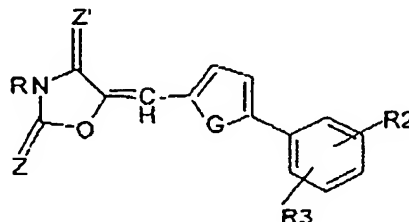
55. Compound according to Claim 51, characterized in that it exhibits the following formula (VI) or a corresponding salt form:



20 in which Z, Z' and G independently represent O or S;  
and at least one of the  $R_2$  and  $R_3$  groups represents a hydrogen, CN,  $CF_3$ ,  $NO_2$ ,  $OR_0$ ,  $COOR_0$  or a saturated, linear or branched,  $C_1-C_{20}$ , better still  $C_1-C_{10}$ , alkyl radical optionally substituted by  $OR_0$  with  $R_0$  being H or a

saturated, linear or branched, C<sub>1</sub>-C<sub>20</sub>, better still C<sub>1</sub>-C<sub>10</sub>, alkyl radical.

56. Compound according to Claim 51,  
characterized in that it exhibits the following formula  
5 (VII) or a corresponding salt form:



in which Z, Z' and G independently represent O or S; R represents a saturated, linear or branched, C<sub>1</sub>-C<sub>10</sub> alkyl radical; and at least one of the R<sub>2</sub> and R<sub>3</sub> groups  
10 represents a saturated, linear or branched, C<sub>1</sub>-C<sub>20</sub>, better still C<sub>1</sub>-C<sub>10</sub>, alkyl radical, NO<sub>2</sub> or OR<sub>0</sub> with R<sub>0</sub> being H or a saturated, linear or branched, C<sub>1</sub>-C<sub>20</sub>, better still C<sub>1</sub>-C<sub>10</sub>, alkyl radical.

57. Compound according to one of Claims 51  
15 to 56, characterized in that it is in the Z form.

58. Cosmetic use of at least one heterocyclic compound of formula (I) or of one of its salts in a cosmetic composition as agent for preserving the amount and/or the activity of prostaglandins in the  
20 hair follicle.

59. Use of at least one heterocyclic compound of formula (I) or of one of its salts in the manufacture of a composition intended to preserve the

amount and/or the activity of prostaglandins in the hair follicle.